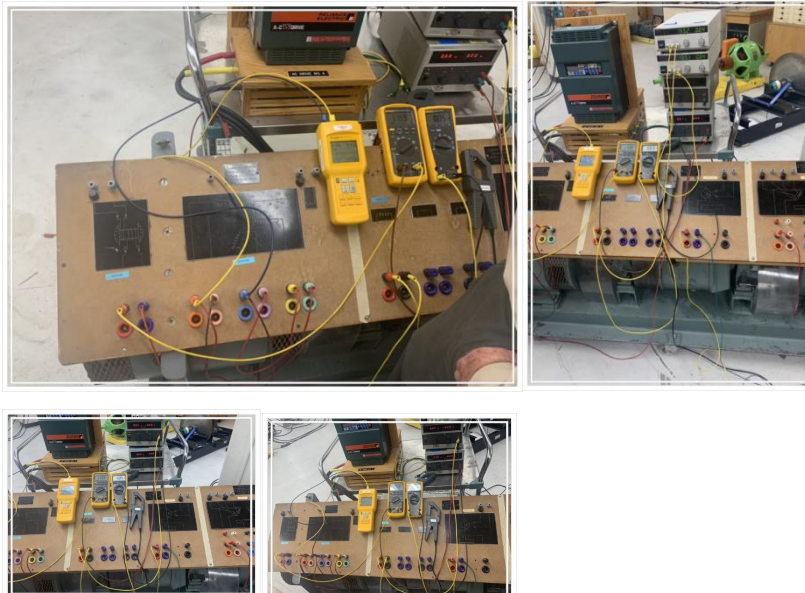
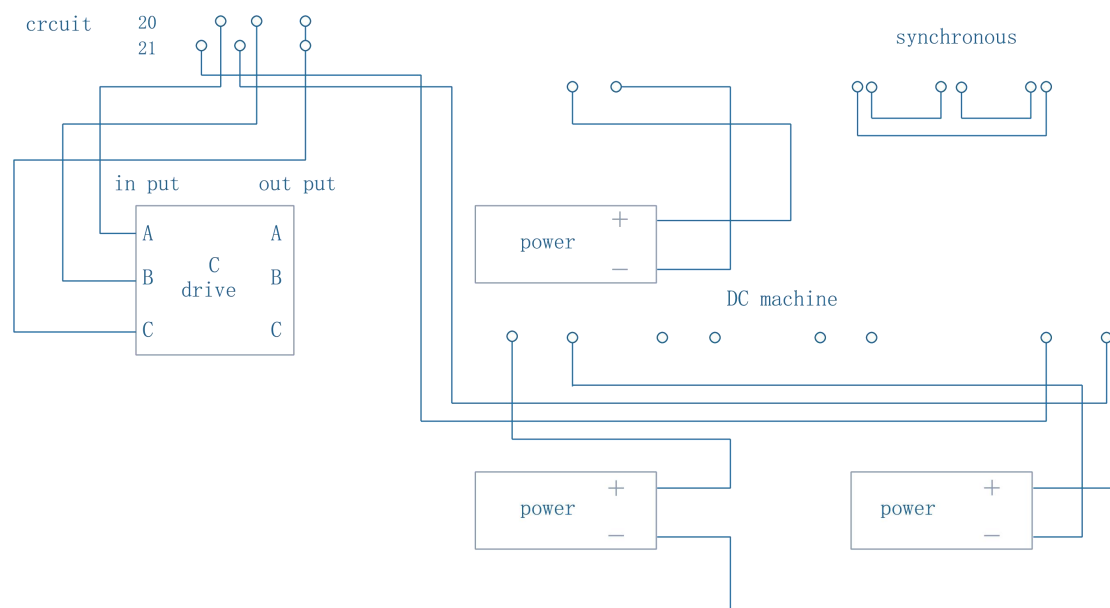


Using AC drive to provide frequency and voltage to the synchronous motor. More frequency in AC drive the voltage and speed both increase.

Generator



Add motor to DC machine, synchronous machine becomes synchronous generator. We need to know how to change the voltage of generator.

- 3 ways:
- (1) decrease field current of motor
 - (2) Increase field current of generator
 - (3) Increase field control